

ABSTRACT

A planetary transmission, in particular for machine tools, with a drive shaft that is connected to a sun gear, with an output shaft that is connected to a planetary carrier and with an interior gear, that in a first operating position engages with the housing, and in the second operating position engages with the sun gear, with a hub that surrounds the drive shaft concentrically and with a sliding collar that surrounds the hub concentrically and that engages with the hub in an operating position. The sliding collar (5) engages in the loose end of the interior gear (4) with a centering diameter (7) concentrically located with the hub (6), which in the engaged position of the sliding collar (5) engages with the hub (6) in a concentric position with the hub's axle on its centering collar (8).